	 		XIL/
	Application No.	Applicant(s)	110
Notice of Allowability	10/656,935	PARK ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Luan Thai	2829	
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.			
1. This communication is responsive to			
2. The allowed claim(s) is/are 1-19 (renumbered as 1-4, 6, 5, 7-9,11, 10, 12-15, 18, 19, 16 and 17, respectively).			
3. The drawings filed on <u>05 September 2003</u> are accepted by the Examiner.			
 4. Acknowledgment is made of a claim for foreign priority un a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 			
2. Certified copies of the priority documents have been received in Application No. 09/556,499.			
 Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 			
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.			
5. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.			
 6. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date 			
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).			
7. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.			
Attachment(s)			
1. Notice of References Cited (PTO-892)	5. Notice of Informal Pa	atent Application (PTC)-152)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Summary (
3. Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date 5/9/03	8), 7. ☐ Examiner's Amendm	Paper No./Mail Date 7.	
4. ☐ Examiner's Comment Regarding Requirement for Deposit	8. Examiner's Statement	nt of Reasons for Allov	wance
of Biological Material	9.		
LUANTHAI PRIMARY EXAMINEI	1/7/05		

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DETAILED ACTION

1. Claims 1-19 are allowed and renumbered as 1-4, 6, 5, 7-9,11, 10, 12-15, 18, 19, 16 and 17, respectively.

2. The following is an examiner's statement of reasons for allowance:

The cited art taken either singly or in combination with other prior arts fails to anticipate or fairly suggest the limitations which the Applicant claims in independent claim 1 in a manner which would warrant a rejection under 35 U.S.C. § 102 or 35 U.S.C. § 103, especially when these limitations are considered within the specific combination claimed.

The cited art, U.S. Pat. No. 6,287,957 to Linliu, discloses a method for forming a self-aligned contact hole, which provides a large process window and ensures full utilization of bottom contact area even when the overlay is not well aligned. Linliu, however, fails to anticipate or fairly suggest, among others, at least the process step of widening the contact hole to expose the first electrically insulating layer by wet etching sidewalls of the contact hole using an etchant that etches the second material faster than the first material, as claimed in claims 1, 7, and 12.

3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Luan Thai whose telephone number is 571-272-1935. The examiner can normally be reached on 6:45 AM - 4:15 PM, Monday to Friday.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nestor Ramirez can be reached on 571-272-2034. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Luan 7kai

Primary Examiner Art Unit 2829

January 10, 2005